

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10612179	
	Filing Date		2003-03-06	
	First Named Inventor	Roland Kreutzer		
	Art Unit	1635		
	Examiner Name	Tracy Ann Vivlemore		
	Attorney Docket Number	A2038-706120		

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/T.V./	1	Response to Official Action filed for Australian Application No. 32713/00 (October 19, 2004).	<input type="checkbox"/>
↓	2	FIRE et al., "RNA Interferences - gene silencing by double-stranded RNA" The Nobel Prize in Physiology or Medicine, press release, 2006.	<input type="checkbox"/>
	3	GRAESSMAN et al., "Inhibition of SV40 Gene Expression by Microinjected Small Antisense RNA and DNA Molecules" Nucleic Acids Research 19:53-59, 1991.	<input type="checkbox"/>
	4	GRAHAM, "Mapping Transgene Activity in Plants Using Visible Phenotypes" Australian Society for Biochemistry and Molecular Biology Incorporated and Australian Society of Plant Physiologists Incorporated, Vol. 28, Abstract SYM-18-06 (1996).	<input type="checkbox"/>
	5	GREEN et al., "Antisense Oligonucleotides: An evolving technology for the modulation of gene expression in human disease" J. Am. Coll. Surg. 191:93-105, 2000.	<input type="checkbox"/>
	6	GRIERSON et al., "Does Co-Suppression of Sense Genes in Transgenic Plants Involve Antisense RNA?" Trends in Biotechnology 9:122-123, 1991.	<input type="checkbox"/>
	7	GUANG et al., "An Argonaute Transports siRNAs from the Cytoplasm to the Nucleus" Science 321:537-541, 2008.	<input type="checkbox"/>
	8	GUO et al., "Par-1 a Gene Required for Establishing Polarity in C. elegans Embryos, Encodes a Putative Ser/Thr Kinase That is Asymmetrically Distributed" Cell 81:611-620, 1995.	<input type="checkbox"/>
	9	IZANT et al., "Constitutive and Conditional Suppression of Exogenous and Endogenous Genes by Anti-Sense RNA" Science 229:345-352, 1985.	<input type="checkbox"/>
	10	JEN et al., "Suppression of Gene Expression by Targeted Disruption of Messenger RNA: Available Options and Current Strategies" Stem Cells 18:307-319, 2000.	<input type="checkbox"/>
	↓	11	JENNINGS et al., "Inhibition of SV40 Replicon Function by Engineered Antisense RNA Transcribed by RNA Polymerase III" EMBO Journal 6:3043-3047, 1987.

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/T.V./	12	JORGENSEN et al., "Silencing of Plant Genes by Homologous Transgenes" AgBiotech News and Information 4:265-273, 1992.	<input type="checkbox"/>
	13	KAMIO et al., "Nucleotide Sequence of an Incompatibility Region of Mini-Rts1 That Contains Five Direct Repeats" Journal of Bacteriology 155:1185-1191, 1983.	<input type="checkbox"/>
	14	KIM et al., "Stable Reduction of Thymidine Kinase Activity in Cells Expressing High Levels of Anti-Sense RNA" Cell 42:129-138, 1985.	<input type="checkbox"/>
	15	KRIEGER et al., "The Flavr Savr Tomato, an Early Example of RNAi Technology" HortScience 43:962-964, 2008.	<input type="checkbox"/>
	16	LIVACHE et al., "Detection of HIV1 DNA in Biological Samples by an Homogenous Assay: Fluorescence Measurement of Double-Stranded RNA Synthesized from Amplified DNA" Analytical Biochemistry, 217:248-254, 1994.	<input type="checkbox"/>
	17	MAITRA et al., "HIV-1 TAR RNA Has an Intrinsic Ability to Activate Interferon-Inducible Enzymes" Virology 204:823-827, 1994.	<input type="checkbox"/>
	18	MARQUES et al., "A Structural Basis for Discriminating Between Self and Non-Self Double-Stranded RNAs In Mammalian Cells" Nature Biotechnology 24:559-65, 2006.	<input type="checkbox"/>
	19	MEISTER, "RNA Interference in the Nucleus" Science 321:496-497, 2008.	<input type="checkbox"/>
	20	MILLIGAN et al., "Synthesis of Small RNAs Using T7 RNA Polymerase" Methods in Enzymology, 180:51-62, 1989.	<input type="checkbox"/>
	21	MIZUNO et al., "Regulation of Gene Expression by a Small RNA Transcript (micRNA) in Escherichia coli K-12" Proc. Japan Acad. 59:335-338, 1983.	<input type="checkbox"/>
↓	22	NAPOLI et al., "Introduction of a chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes in trans" The Plant Cell 2:279-289, 1990.	<input type="checkbox"/>

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/T.V./	23	NOVINA et al., "The RNAi revolution" Nature 430:161-164, 2004.	<input type="checkbox"/>
	24	OATES et al., "Too Much Interference: Injection of Double-Stranded RNA Has Non-Specific Effects in the Zebrafish Embryo" Developmental Biology 24:20-28, 2000.	<input type="checkbox"/>
	25	OPALINSKA et al., "Nucleic Acid therapeutics: basic principles and recent applications" Nature Reviews 1:503-514, 2002.	<input type="checkbox"/>
	26	Oxford Advanced Learner's Dictionary of Current English, p. 253.	<input type="checkbox"/>
	27	PAROO et al., "Challenges for RNAi in vivo" Trends in Biotechnology 22:390-394, 2004.	<input type="checkbox"/>
	28	PAUL et al., "Effective expression of small interfering RNA in human cells" Nature Biotechnology 29:505-508, 2002.	<input type="checkbox"/>
	29	PEI et al., "On the Art of Identifying Effective and Specific siRNAs" Nature Methods 3: 670-676, 2006.	<input type="checkbox"/>
	<del>30</del>	<del>Psychromedel/Klinisches Wörterbuch, 250, neu bearbeitete Auflage.</del>	<input type="checkbox"/>
/T.V./	31	PUSCH et al., "Nucleotide Sequence Homology Requirements of HIV-1 Specific Short Hairpin RNA" Nucleic Acids Research 31:6444-6449, 2003.	<input type="checkbox"/>
/T.V./	32	REYNOLDS et al., "Rational siRNA design for RNA interference" Nature Biotechnology 22:326-330, 2004.	<input type="checkbox"/>
/T.V./	33	SCHWARZ et al., "Asymmetry in the assembly of the RNAi complex" Cell 115:199-208, 2003.	<input type="checkbox"/>

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	35	SIJEN et al., "On the Role of RNA Amplification in dsRNA-Triggered Gene Silencing" Cell 107:465-476, 2001.	<input type="checkbox"/>
	36	SIMONS et al., "Translational Control of IS10 Transposition" Cell 34:683-691, 1983.	<input type="checkbox"/>
	37	SLEDZ et al., "RNA Interference and Double-Stranded RNA Activated Pathways" Biochemical Society Transactions 32:956-956, 2004.	<input type="checkbox"/>
	38	TAKAYAMA et al., "Antisense RNA" Critical Reviews in Biochemistry and Molecular Biology 25:155-184, 1991.	<input type="checkbox"/>
	39	THOMSON et al., "Activity of hammerhead ribozymes containing non-nucleotide linkers" Nucleic Acids Res. 21:5600-5603, 1993.	<input type="checkbox"/>
	40	TOLUN et al., "Direct Repeats of the F Plasmid incC Region Express F Incompatibility" Cell 24: 687-694 (1981).	<input type="checkbox"/>
	41	TSUTSUI et al., "Role of Nine Repeating Sequences of the Mini-F Genome for Expression of F-Specific Incompatibility Phenotype and Copy Number Control" Journal of Bacteriology 155:337-344, 1983.	<input type="checkbox"/>
	42	UHLENBECK, "A Small Catalytic Oligoribonucleotide" Nature 325:596-600, 1987.	<input type="checkbox"/>
	43	U.S. Provisional Application 60/117635, filed January 28, 1999.	<input type="checkbox"/>
↓	44	U.S. Provisional Application 60/175440, filed January 11, 2000.	<input type="checkbox"/>

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/T.V./	45	WILD et al., "The 2A structure of helix 6 of the human signal recognition particle RNA" Structure 7:1345-1352, 1999.	<input type="checkbox"/>
/T.V./	46	YANG et al., "Evidence that processed small dRNAs may mediate sequence-specific mRNA degradation during RNAi in Drosophila embryos" Current Biology 10:1191-1200, 2000.	<input type="checkbox"/>
/T.V./	47	ZHANG et al., "Targeted Gene Silencing by Small Interfering RNA-Based Knock-Down Technology" Current Pharmaceutical Biothechnology 5:1-7, 2004.	<input type="checkbox"/>

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